

REMARKS

Reconsideration of the present application is respectfully requested.

Claims 1-4, 6, 8, 13-20 and 27-32 were rejected under 35 USC § 103 as being unpatentable over U.S. Patent No. 6,539,910 in view of U.S. Patent No. 5,605,126. The Applicants respectfully disagree with the Patent Office regarding the teachings of the '910 reference. "The PTO has the burden under section 103 to establish a prima facie case of obviousness. . . It can satisfy this burden only by showing some objective teaching in the prior art or that knowledge generally available to one of ordinary skill in the art would lead that individual to combine the relevant teachings of the references." In re Fine, 837 F.2d 1071, 1074. The Examiner maintains in the Final Office Action that the '910 reference includes a sharp edge that is substantially parallel with the centerline. The Applicants respectfully disagree with the Examiner regarding the teaching of the reference regarding a feature that is not described in the text and is not represented clearly in the drawings. Further, there has been no showing about the utilization of the sharp edge to direct fuel away from the end of the piston. Withdrawal of the § 103 rejection is respectfully requested.

Claims 1-4, 6, 8, 13-20 and 27-32 were rejected under 35 USC §103 as being unpatentable over U.S. Patent No. 6,314,933 in view of U.S. Patent No. 5,605,1216. Applicants respectfully traverse the §103 rejections. The '933 reference provides that in the comparative example in a portion of Fig. 2 that " the fuel injected from the fuel injection nozzle 2 is obstructed by the edge of the combustion chamber 11, i.e. the edge prevents the fuel from flowing into the squished area 32, so that the air in the squished area 32 cannot be effectively utilized." '933 Patent, Col. 7, L. 26-31. In the present invention the fuel is directed away from the end of the piston and therefore back into the combustion zone. Withdrawal of the § 103 rejection is respectfully requested as the proposed combination fails to teach or suggest the limitations of the claimed invention.

The Examiner is respectfully requested to further examine the pending claims and pass them to a Notice of Allowability.

Respectfully Submitted:

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